

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P848887

Luminaire Tested: **GLAN-SB5C-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20017 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

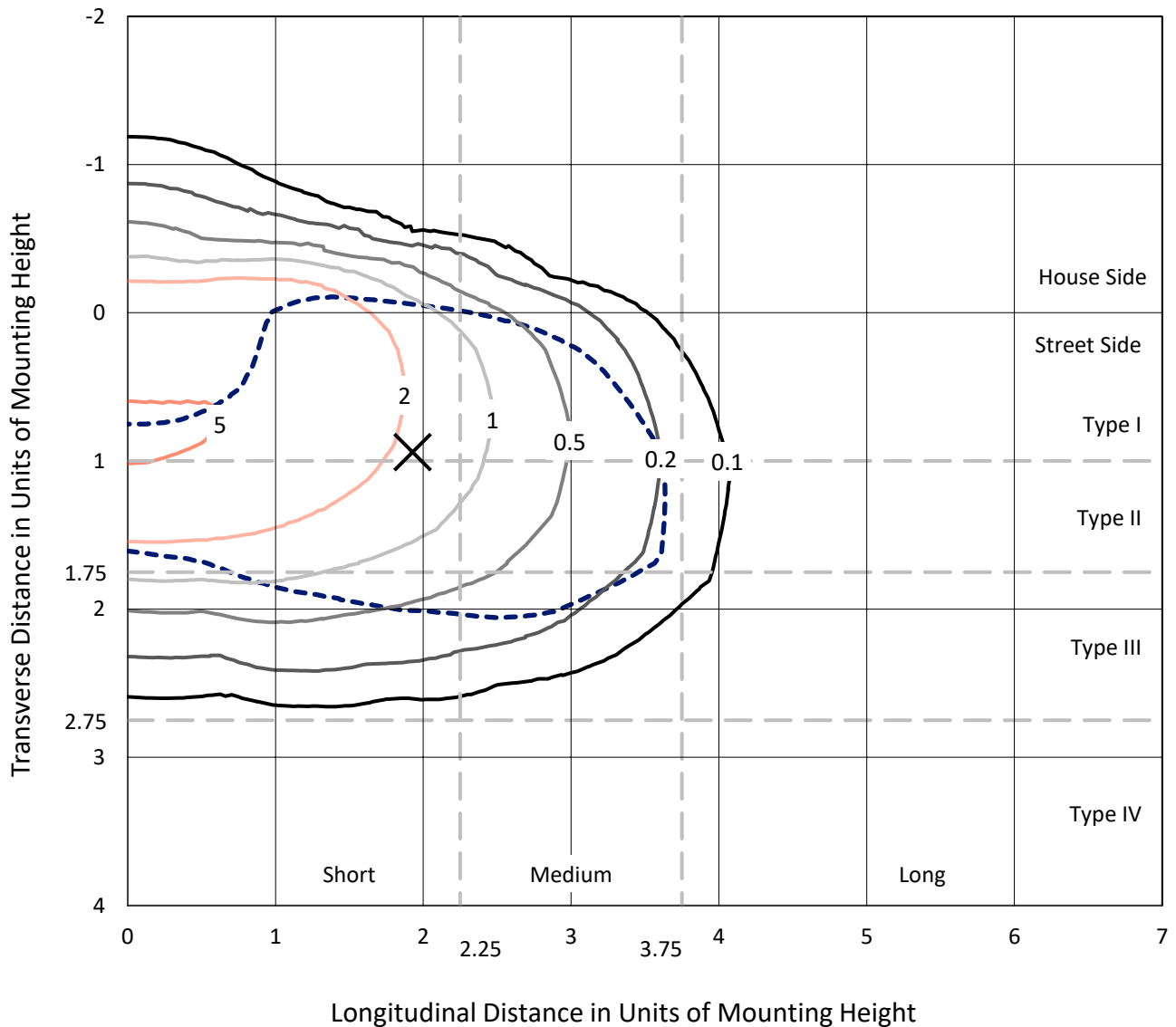
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

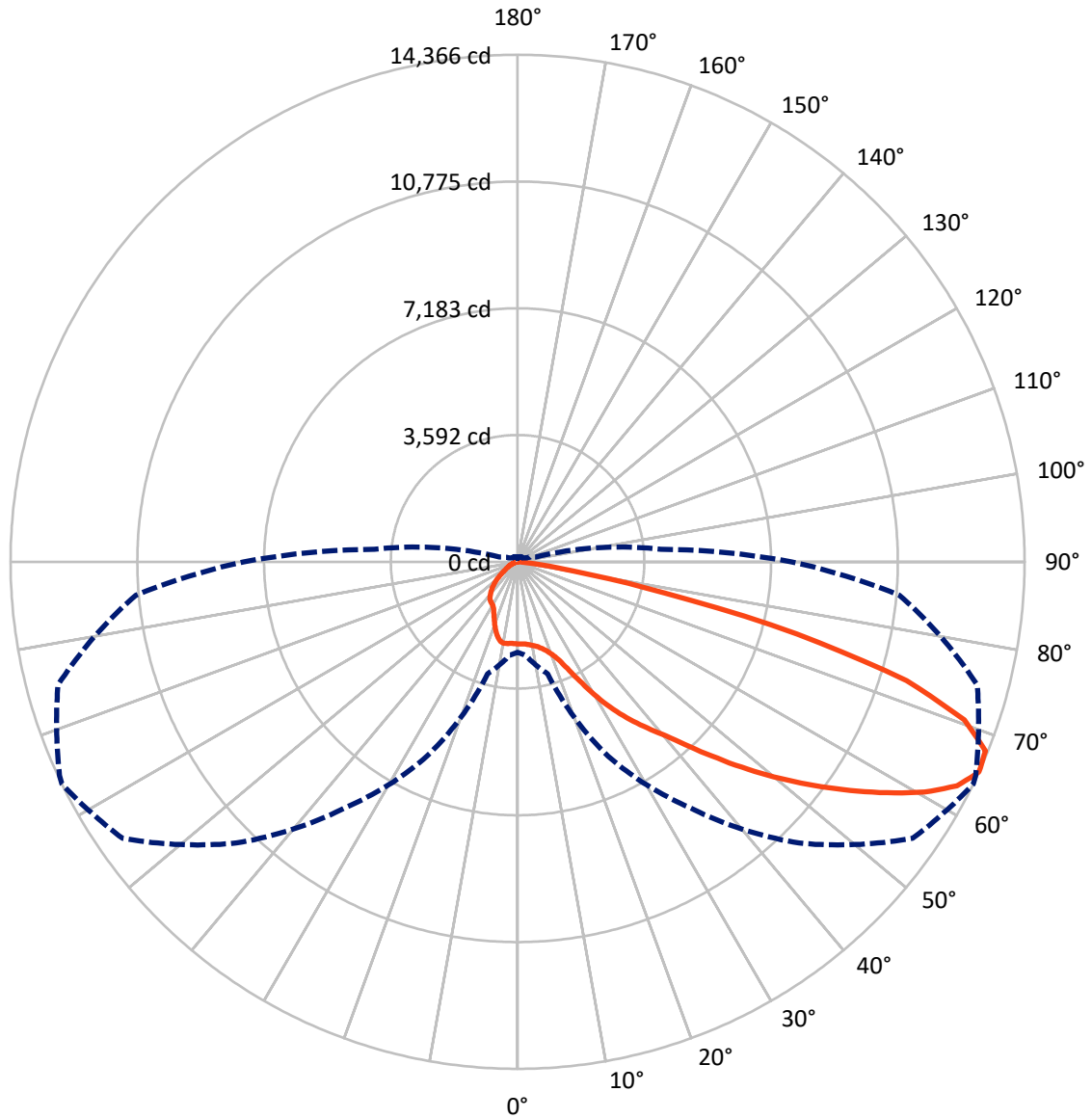
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2676.9	0.0	2676.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	17340.1	0.0	17340.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	20017.0	0.0	20017.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.8	1.1
10°-20°	582.6	2.9
20°-30°	1104.0	5.5
30°-40°	2233.9	11.2
40°-50°	3805.5	19.0
50°-60°	5175.2	25.9
60°-70°	4859.7	24.3
70°-80°	1947.0	9.7
80°-90°	94.3	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	20017.0	100.0
0°-180°	20017.0	100.0

Coefficient of Utilization



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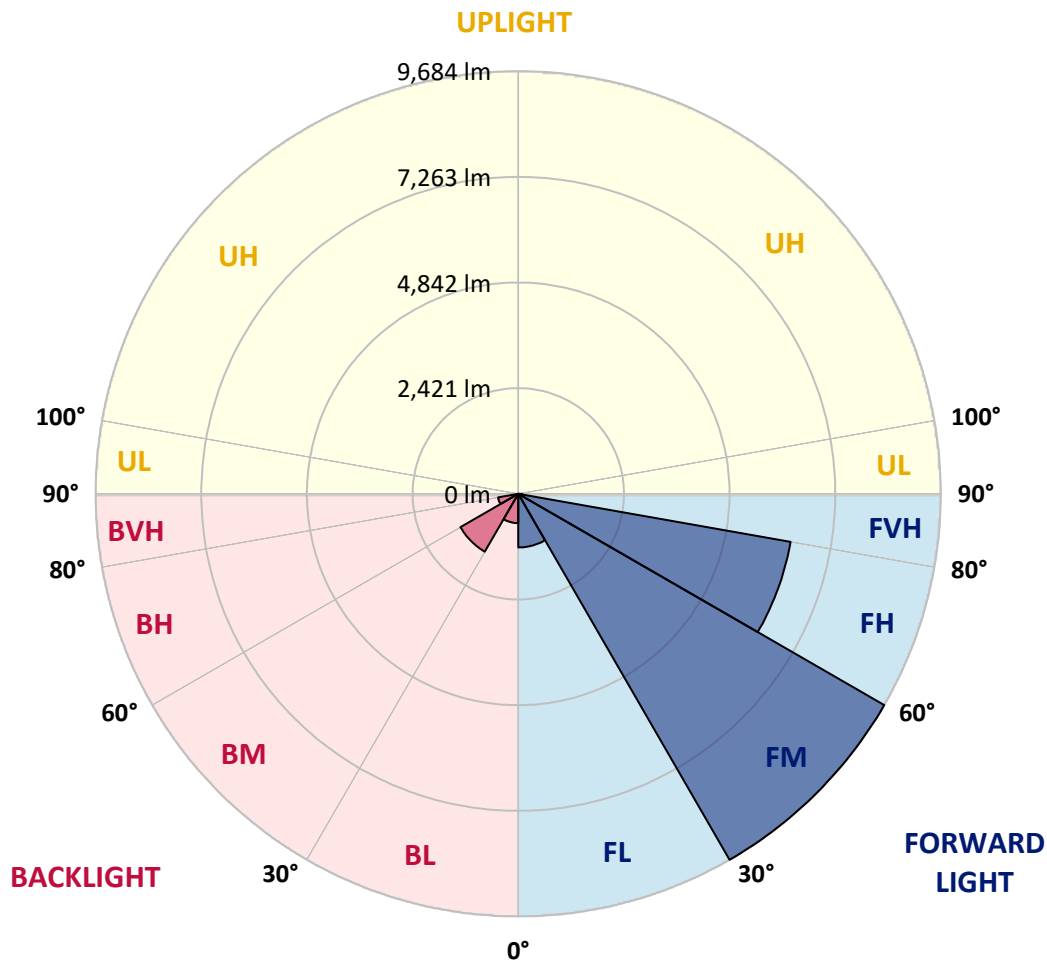
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1229.3	6.1			
FM (30°-60°)	9684.2	48.4			
FH (60°-80°)	6336.9	31.7			G3/7500
FVH (80°-90°)	89.7	0.4			G1/100
BL (0°-30°)	672.1	3.4	B2/1000		
BM (30°-60°)	1530.3	7.6	B2/2500		
BH (60°-80°)	469.8	2.3	B1/500		G1/500
BVH (80°-90°)	4.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2328.2	2328.2	2328.2	2328.2	2328.2	2328.2	2328.2	2328.2	2328.2	2328.2
2.5°	2320.1	2336.2	2332.2	2328.2	2326.8	2329.5	2330.9	2329.5	2329.5	2329.5
5°	2275.9	2289.3	2289.3	2298.7	2312.1	2328.2	2340.3	2342.9	2345.6	2349.7
7.5°	2191.3	2202.0	2210.1	2241.0	2274.5	2317.4	2353.7	2372.5	2375.2	2389.9
10°	2133.6	2147.0	2160.4	2192.7	2241.0	2305.4	2367.1	2412.7	2419.4	2454.3
12.5°	2130.9	2144.3	2161.8	2196.7	2253.0	2321.5	2396.6	2462.4	2474.5	2525.4
15°	2159.1	2175.2	2191.3	2234.3	2294.6	2377.8	2458.3	2540.2	2552.3	2624.7
17.5°	2216.8	2238.3	2250.4	2293.3	2357.7	2450.3	2556.3	2650.2	2661.0	2745.5
20°	2330.9	2356.4	2360.4	2395.3	2458.3	2557.6	2683.8	2800.5	2814.0	2910.6
22.5°	2567.0	2603.3	2571.1	2588.5	2644.9	2744.2	2881.0	3028.7	3047.4	3157.5
25°	2983.0	3034.0	2950.8	2921.3	2945.5	3048.8	3220.5	3407.1	3428.5	3517.1
27.5°	3800.2	3734.5	3608.4	3484.9	3412.4	3471.5	3664.7	3895.5	3922.4	4008.2
30°	4698.0	4640.3	4469.8	4196.1	4024.3	4014.9	4193.4	4451.1	4481.9	4563.8
32.5°	5597.0	5542.0	5356.8	5020.0	4722.1	4574.5	4698.0	4983.8	4999.9	5052.2
35°	6481.3	6425.0	6239.8	5894.9	5528.6	5193.1	5169.0	5491.0	5496.4	5551.4
37.5°	7371.0	7324.1	7126.8	6788.6	6427.7	5964.7	5740.6	5971.4	5978.1	6031.8
40°	8005.7	8025.9	7890.3	7628.7	7318.7	6812.8	6382.0	6482.7	6442.4	6532.3
42.5°	8550.5	8590.8	8472.7	8341.2	8161.4	7715.9	7176.4	7159.0	7094.6	7142.9
45°	9021.5	9055.1	8949.1	8918.2	8914.2	8601.5	8044.7	7940.0	7850.1	7840.7
47.5°	9194.7	9259.1	9304.7	9408.0	9609.3	9477.8	8942.4	8780.0	8679.4	8605.6
50°	9260.4	9328.8	9484.5	9785.1	10261.5	10317.8	9836.1	9653.6	9530.1	9395.9
52.5°	9171.8	9294.0	9503.3	10009.2	10700.3	10991.4	10693.5	10533.9	10393.0	10174.2
55°	8649.8	8772.0	9200.0	10006.5	10919.0	11463.8	11504.1	11432.9	11274.6	10929.7
57.5°	7549.5	7730.6	8408.3	9665.7	10915.0	11870.4	12298.5	12349.4	12172.3	11678.5
60°	6025.1	6270.7	7097.3	8910.2	10578.1	12090.5	12994.9	13249.9	13062.0	12416.5
62.5°	4204.2	4488.6	5271.0	7726.6	9807.9	11932.1	13503.5	13974.5	13832.2	13076.8
65°	2564.4	2655.6	3286.3	6080.1	8498.2	11269.2	13660.5	14366.3	14319.3	13480.7
67.5°	1708.2	1784.7	1965.9	4169.3	6596.7	9944.8	13284.7	14297.9	14311.3	13414.9
70°	1029.2	1095.0	1213.1	2424.8	4275.3	7871.5	12121.3	13425.6	13503.5	12536.0
72.5°	424.0	468.3	575.7	1099.0	2214.1	4995.9	9652.2	11526.9	11708.0	10540.6
75°	240.2	263.0	338.2	551.5	960.8	2328.2	5846.6	8182.9	8449.9	7265.0
77.5°	159.7	170.4	218.7	356.9	540.8	794.4	2498.6	4263.2	4773.1	3968.0
80°	107.4	116.7	150.3	238.9	351.6	340.8	795.7	1579.4	1943.1	1363.4
82.5°	72.5	73.8	107.4	157.0	222.8	165.1	234.8	491.1	617.3	394.5
85°	41.6	40.3	79.2	91.2	99.3	68.4	71.1	147.6	193.2	166.4
87.5°	5.4	8.1	30.9	24.2	13.4	14.8	14.8	25.5	37.6	40.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2328.2	0°	2328.2	2328.2	2328.2	2328.2	2328.2	2328.2	2328.2	2328.2	2328.2	2328.2
2330.9	2.5°	2330.9	2329.5	2325.5	2321.5	2312.1	2306.7	2309.4	2306.7	2305.4	2306.7
2348.3	5°	2348.3	2344.3	2333.6	2320.1	2301.3	2278.5	2263.8	2242.3	2222.2	2210.1
2395.3	7.5°	2395.3	2391.3	2376.5	2338.9	2278.5	2183.3	2096.0	2019.5	1961.8	1928.3
2470.4	10°	2470.4	2463.7	2440.9	2357.7	2199.4	1991.4	1818.3	1674.7	1580.8	1536.5
2559.0	12.5°	2559.0	2550.9	2510.7	2340.3	2049.1	1724.3	1485.5	1325.8	1238.6	1199.7
2661.0	15°	2663.7	2652.9	2573.8	2257.1	1830.3	1429.1	1210.4	1091.0	1034.6	999.7
2791.1	17.5°	2793.8	2775.0	2620.7	2132.3	1592.8	1203.7	1041.3	951.4	901.8	868.2
2961.6	20°	2962.9	2932.0	2658.3	1983.3	1374.1	1061.4	927.2	852.1	814.5	785.0
3203.1	22.5°	3199.1	3154.8	2703.9	1822.3	1219.8	963.5	842.7	787.7	756.8	723.3
3539.9	25°	3491.6	3439.3	2760.3	1673.3	1113.8	878.9	781.0	735.4	699.1	660.2
3981.4	27.5°	3900.9	3807.0	2827.4	1551.2	1022.5	806.5	724.6	673.6	632.0	599.8
4481.9	30°	4357.1	4202.8	2886.4	1477.4	939.3	739.4	650.8	599.8	560.9	538.1
4931.5	32.5°	4789.2	4579.9	2925.3	1445.2	864.2	662.9	570.3	515.3	485.8	479.1
5371.6	35°	5197.2	4920.7	2921.3	1414.4	797.1	586.4	491.1	434.8	412.0	416.0
5845.3	37.5°	5666.8	5284.4	2893.1	1366.0	742.1	516.6	422.7	373.0	352.9	354.3
6421.0	40°	6213.0	5704.4	2875.7	1274.8	681.7	452.2	366.3	326.1	311.3	306.0
7027.5	42.5°	6795.3	6111.0	2878.4	1171.5	606.5	394.5	327.4	293.9	280.5	276.4
7702.5	45°	7380.4	6498.8	2882.4	1064.1	527.4	350.2	299.2	271.1	263.0	257.6
8386.8	47.5°	7930.6	6828.9	2807.2	948.7	449.5	316.7	276.4	257.6	250.9	244.2
9073.9	50°	8443.2	7049.0	2626.1	814.5	387.8	289.8	259.0	245.6	238.9	232.1
9696.5	52.5°	8841.7	7083.9	2326.8	676.3	344.9	269.7	248.3	236.2	228.1	221.4
10199.7	55°	9018.9	6865.1	1901.5	547.5	311.3	252.3	237.5	225.4	216.0	209.3
10595.6	57.5°	8973.2	6404.9	1482.8	440.1	279.1	234.8	224.1	216.0	205.3	194.6
10916.3	60°	8749.1	5788.9	1117.8	366.3	249.6	216.0	209.3	202.6	187.9	171.8
11039.8	62.5°	8361.3	5014.7	797.1	303.3	217.4	194.6	191.9	186.5	165.1	135.5
10857.3	65°	7768.2	4074.0	536.8	252.3	186.5	170.4	171.8	162.4	134.2	100.6
10189.0	67.5°	6901.4	2979.0	343.5	206.7	155.7	142.2	143.6	138.2	114.1	85.9
8922.2	70°	5797.0	1972.6	224.1	157.0	124.8	110.0	118.1	119.4	96.6	69.8
6847.7	72.5°	4249.8	1164.8	157.0	116.7	91.2	76.5	96.6	99.3	77.8	52.3
4119.6	75°	2422.1	552.9	118.1	84.5	56.4	53.7	75.1	75.1	53.7	34.9
1783.4	77.5°	1017.2	230.8	83.2	55.0	32.2	30.9	51.0	47.0	26.8	16.1
434.8	80°	293.9	103.3	44.3	26.8	13.4	12.1	20.1	14.8	6.7	2.7
165.1	82.5°	115.4	45.6	17.4	10.7	5.4	5.4	2.7	0.0	0.0	0.0
93.9	85°	68.4	18.8	8.1	4.0	1.3	0.0	0.0	0.0	0.0	0.0
20.1	87.5°	17.4	4.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
2328.2
2312.1
2212.8
1929.6
1532.4
1195.6
1001.1
865.5
779.6
717.9
656.2
593.1
534.1
483.1
416.0
359.6
304.6
275.1
257.6
244.2
232.1
220.1
208.0
193.2
169.1
132.8
98.0
81.9
67.1
49.7
32.2
16.1
2.7
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